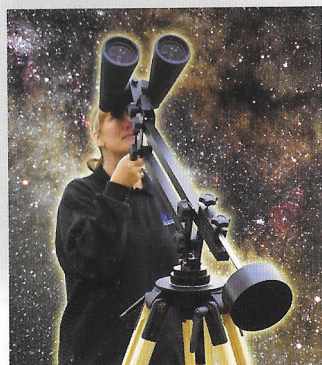


Binocular Mountings

The Star-Raker

A Parallel Motion Binocular Mounting



Used with binoculars and a full height tripod, the observing comfort of the Star-Raker makes exploring the sky at night a pure pleasure.

The Star-Raker uses a retained counterweight system to allow it to be quickly balanced for use with a wide range of instruments. From large binoculars (up to 3kg with standard weight - more with other weights available separately) to small telescopes and spotting

scopes. The Star-Raker must be mounted on a suitable tripod.

Please note, you will need a specific clamp to suit your particular type of binocular or telescope. See below for details.

A full height "Pillar" tripod is available for the Star-Raker.

A natural ash deluxe wooden tripod with accessory tray and deluxe ash panning handle is also available.

To fit	Description	Stock Code
All binoculars and small scopes	Star-Raker Parallel Motion Binocular Mounting	AC346
Star-Raker	Pillar Tripod, full height	AC365
Star-Raker	Deluxe Wooden Tripod, in Natural Ash with ash accessory tray & panning handle	AC366

Tripod Mounting Brackets for Binoculars

A range of binocular mounts suitable for all standard 1/4" BSW tripod fittings and the BC&F AE Star-Raker.



To fit Model	Description	Stock Code
Narrow binoculars	13mm wide binocular mounting bracket	AC347
Meade & Bresser 9 x 63 binoculars	13mm wide binocular mounting bracket	AC348
Normal binoculars	18mm wide binocular mounting bracket	AC349
Heavier binoculars	30mm HD binocular mounting bracket	AC363
Myuchi type "base boss" binoculars	30mm horizontal base binocular mounting bracket	AC364

Align-Mate

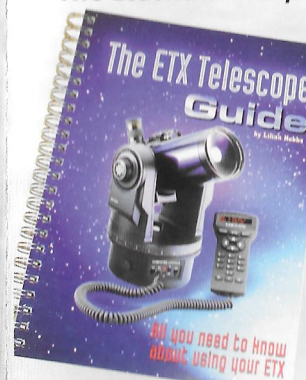
Bubble-level and compass eyepiece

The Align-Mate is probably our most popular "GOTO" telescope accessory. The Align-Mate solves your GOTO alignment worries and allows you to find due north and get a perfect level of your telescope tube in seconds. Not only does the Align-Mate take all the fuss out of aligning your telescope but it makes a great dust plug too! The Align-Mate comprises a large bubble level screw mounted on one side of a solid precision turned aluminium billet, and at the other end is a recessed oil-damped compass.



To fit Model	Description	Stock Code
ALL Telescopes	Align-Mate Bubble Level & Compass Eyepiece	AC296

The Essential Companion to the ETX-EC Range.



This guide answers clearly all the technical questions you are likely to ask about the ETX-EC Telescopes. It recommends the best accessories available, and how to use them! The most easy to read and comprehensive guide to the Meade ETX-EC & #497 Autostar available.

BC&F ASTRO ENGINEERING:

Visit our web site at
www.astro-engineering.com

for our full range of MEADE compatible accessories, exclusively manufactured in the UK by BC&F Astro Engineering.

GREEN WITCH - Telescope Specialists

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Scotland Road, Dry Drayton
Cambridge CB3 8AT

Tel: 01954 211288 / Fax: 01954 212855

<http://www.green-witch.com>

Broadhurst Clarkson & Fuller Ltd., Unit 6, The Tunbridge Wells
Trade Park, Longfield Road, Tunbridge Wells, Kent TN2 3QF
Tel: 01892 616131 Fax: 01892 616130

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Front cover picture courtesy of Hubble Heritage Team NASA

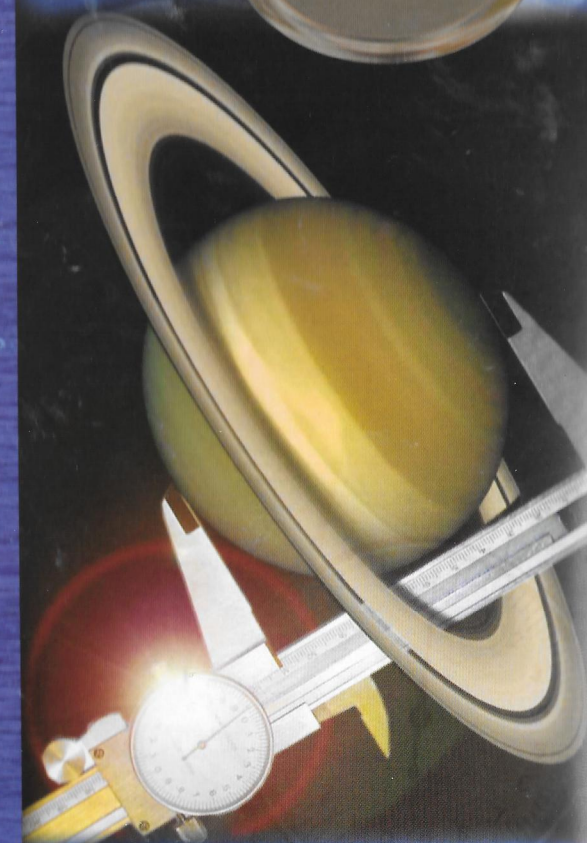
ACCESSORIES

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BC&F ETX-03

Counterbalance Weight Set

It is important to equalise the weight of cameras to reduce stress. This comprehensive system of weights can be used with the Piggy-Back mounting above, and when imaging directly through the main optics of the ETX.



To fit ETX Model	Description	Stock Code
ALL ETX	Counterbalance Weight Set	AC025

Accessory Support Plate

This simple rectangular plate is designed to allow you to use the above Counterbalance Weight Set when fitting a camera, or other heavy accessory, to the rear camera port of the ETX telescope. Includes fitting screws and instructions. (To be used in conjunction with item AC025 above.)



To fit ETX Model	Description	Stock Code
90EC, 105EC & 125EC	Accessory Support Plate	AC025

Digital Camera Mountings

Ultra standard digital camera support

The Ultra Standard is a simple and lightweight way to mount any camera onto to any telescope with a 1.25" eyepiece holder, and take pictures through the instrument's eyepiece. Clever design allows the Ultra to fit virtually every camera available.



To fit Model	Description	Stock Code
All 1.25" Eyepiece fitting	Ultra Standard afocal camera support	PH047

Ultra Deluxe digital camera support

The Ultra Deluxe is the camera support for the power user! Capable of supporting heavyweight digital camcorders, the design of the Deluxe Ultra uses twin-parallel rings to fit around the eyepiece barrel and avoid losing any back-focus. Fits all spotting scopes binoculars and all astro scopes (with additional rings). Comes ready with a pair of rings to fit 25 to 35mm diameter focus or eyepiece barrels. Additional ring sets are available: 45mm and 55mm.



To fit	Description	Stock Code
25 to 35mm tubes	Ultra deluxe afocal camera support	AC295
30 to 45mm tubes	45mm Ring set (pair)	AC326
40 to 55mm tubes	55mm Ring set (pair)	AC327

The Tri-Wedge - Heavy-duty Field Tripod for ETX105-EC and 125-EC

The Tri-Wedge is a heavy-duty full-height field tripod initially designed for the demanding needs of the polar aligned ETX125.



Also functions in Altazimuth mode.

To fit ETX Model	Description	Stock Code
Ideal for 105EC & 125EC	Tri-Wedge Heavy Duty Equatorial Field Tripod	AC111

Solar Filters

Solar observation can be dangerous - read instructions enclosed with product carefully.

Discover the nearest star, our Sun, in stunning detail with our multi-coated solar filters. Our Solar filters have been designed to allow direct viewing or photography of broadband solar phenomena (sunspots, faculae etc). The filter is manufactured from glass and has a multi-layered metalised coating.



To fit Model	Description	Stock Code
EXT60 & 70	Screw-on solar filter	F1092
EXT90 RA & EC	Screw-on solar filter	F1093
EXT105EC	Screw-on solar filter	F1094
EXT125	Screw-on solar filter	F1095

Complete Anti-Dewing Heating System for smaller Telescopes

Based around the "Mini Controller" (AC377), this complete temperature-controllable anti-dewing system is the best way to keep dew away from your 5" (tube) diameter or less telescope optics all night long.

The kit comprises the AC377 Mini Controller with six temperature-control steps. The tape is a standard model and is plugged into the controller lead, and is then simply attached around the front of the optical tube with an elasticated Velcro strap. The kit also includes a splitter plug to allow the use of an eyepiece anti-dew heater. The controller can be plugged into the Portable Astro Power Station. Both kits require a suitable 12 or 13.8VDC power supply to function (not included in the price).



To fit Model	Description	Stock Code
EXT70 & 90 and up to 3" scopes	Complete Anti-Dewing Kit for up to 3" scopes	AC369
EXT105EC and up to 4" scopes	Complete Anti-Dewing Kit for up to 4" scopes	AC368

The Basic 1.25" Camera Adapter and Eyepiece Projection Unit

A standard adapter that allows slimmer 1.25" eyepieces to be fitted inside its 70mm extension tube for better planetary and lunar imaging.

Includes male T2 thread to 1.25" nosepiece and T-mount extension tube with eyepiece locking screw (requires T2 mount for your particular SLR camera). Finished in black anodic dye.



To fit Model	Description	Stock Code
All 1.25" Holders	Basic 1.25" Camera Adapter	AC325

Webcam Thread to 1.25" Adapter

Allows most popular webcams, to be attached to standard 1.25" eyepiece holders. Threaded for standard colour filters and turned with internal stepping to combat stray light. Manufactured from black Delrin.



To fit Model	Description	Stock Code
Most Webcams	Webcam Thread Adapter	AC378

Autostar Handset Holder for #884 Tripod

The #884 Handset Holder has been designed to solve the problem of where to place the handset when using the Meade #884 tripod. Finished in durable black powder coating. Also fits any LX Field Tripod.



To fit Model	Description	Stock Code
#884 & LX tripod	Handset Holder	AC323

2" to Visual Back Adapter

Screws directly to the back of all LX telescopes and allows all standard 2" accessories to be attached.



Black anodic dye finish.

To fit ETX Model	Description	Stock Code
All LX models	2" Visual Back Adaptor	AC307

Accessories for Meade® TELESCOPES

ETX Flexi-Mate Precision flexible focus knob extension

The Flexi-Mate has been developed to make your Meade ETX telescope easier and more enjoyable to use. The Flexi-Mate minimises the vibration normally caused by touching the telescope to focus it, making all focussing simple and precise. Simple to fit in two minutes – full instructions included.

To fit ETX Model	Description	Stock Code
70AT	Flexi-Mate focus knob	AC343
90RA, 90EC & 105EC	Flexi-Mate focus knob	AC344
125EC	Flexi-Mate focus knob	AC345

AC/DC Power Kit

Total power solution for all ETX Telescopes. This comprehensive power conversion kit allows all ETX telescopes (9V and 12V) to be powered from 220VAC mains or any 12V car cigar lighter socket.

To fit ETX Model	Description	Stock Code
ALL ETX	AC/DC Power Kit	AC337

12V 7.5m (25ft) Power Extension Cable

This extension cable has a 10m reach and a standard cigar lighter plug at one end. (Equivalent to Meade #607).

To fit ETX Model	Description	Stock Code
90, 105, 125 & ALL LX	Extension Cable	AC340

Piggy-Back Camera Bracket

For tracked wide-field astro-photography with 35mm cameras. Fits to lower rear mounting platform. Complete with telescope-fitting thumbscrews. Finished in durable black powder coating.

To fit ETX Model	Description	Stock Code
90RA & 90EC	Piggy-Back Camera Bracket	AC022
105EC	Piggy-Back Camera Bracket	AC393
125EC	Piggy-Back Camera Bracket	AC023

Eyepiece and Autostar™ Handset Holder Tray

The eyepiece tray has been designed to place 1.25" eyepieces and your Autostar™ handset conveniently to hand during an observing session. The tray simply fits underneath the telescope between the base and the tripod head. Finished in durable black powder coating.

To fit ETX Model	Description	Stock Code
ALL ETX	Eyepiece and Handset Tray	AC124

Tripod Adaptor Plate

This simple steel plate allows your ETX to be attached to photographic tripods. Finished in durable black powder coating.

To fit Model	Description	Stock Code
ALL ETX	Tripod Adaptor Plate	AC027

The Micro-Wedge - Table-top and photo tripod mounting

The Micro-Wedge is an ideal portable way to polar mount your ETX for use on tabletops, windowsills and photo tripods. The users latitude setting can be adjusted between 23 and 90 degrees. The wedge has a built-in spirit level and adjustable levelling feet. Complete with instructions – finished in black powder coating.

To fit Model	Description	Stock Code
ETX90, 105, 125	Micro-Wedge One	AC020

LX90 Adaptor Base Plate for Wedges

A steel adaptor plate that allows the LX90 to be fitted to the Meade and BC&F AE range of equatorial wedges. Finished in durable black powder coating and supplied with all fastenings and fitting tools.

To fit Model	Description	Stock Code
LX90	LX90 Base Plate Converter	AC390

Combi Camera Adaptor

Combined camera and eyepiece holder (Equivalent to Meade #64-T adaptor)

As well as functioning as a 1.25" to 2" eyepiece adapter, this highly versatile accessory allows 35mm SLR cameras to be attached to the camera port of the ETX, and also functions as a rear cell 1.25" eyepiece holder. It also functions as a 2" camera adaptor, allowing cameras to be attached to 2" eyepiece holders. The "Combi" also allows SLR cameras to be attached to LX200 Classic and GPS telescopes - needs a standard T2 mounting ring. The adaptor is precision-machined and finished in black anodic dye.

To fit Model	Description	Stock Code
ETX90, 105, 125 & LX200	EXT Combi-Adaptor	AC306

T-mount Extension Tube

This 50mm long T-mount extension tube with male T-thread at one end and female T-thread at the other can be attached to the Combi (AC306) adaptor above to make an eyepiece projection camera adaptor. Precision-turned with a knurled barrel and finished in black anodic dye.

To fit Model	Description	Stock Code
Combi etc.	T-Mount Extension Tube	AC330

Standard 1.25" to 2" Eyepiece Adapter with 2" Filter Thread

This popular adapter allows 1.25" fit eyepieces and accessories to be fitted to 2" eyepiece holders. We've even cut a 2" filter thread on the front so you can use your 2" filters with 1.25" eyepieces.

To fit Model	Description	Stock Code
All 2" Holders	Standard 1.25" to 2" Adapter	AC303

Make more
of your
MEADE

Flexible Dew-Shields for Meade Telescopes



Our Easy-Fit Flexible dew-shields will combat dewing and keep stray light at bay. The shield features black fibre flocking on the inside for improved image contrast.

To fit Model	Description	Stock Code
ETX60 & 70	Easy-Fit Flexible Dew-Shield	AC222
ETX90 RA & EC	Easy-Fit Flexible Dew-Shield	AC182
ETX 105 EC	Easy-Fit Flexible Dew-Shield	AC293
ETX 125 EC	Easy-Fit Flexible Dew-Shield	AC104
7" & 8" LX	Flexible Dew-Shield	AC060
10" LX	Flexible Dew-Shield	AC173
12" LX	Flexible Dew-Shield	AC061

12V IC-Regulated AC Mains Power Supply Unit 1200mA



Suitable for all 12V Meade telescopes including LX90, LX200Classic/GPS, LX200 and all 12V ETX models. IC-regulated DC output.

Automatic thermal cut-off and short circuit protection. Automatic overload protection. With red LED indicator. Total lead length over 3m.

To fit Model	Description	Stock Code
ALL LX models	1.2 amp Regulated Mains Supply	AC317

Coll-U-Mates

Replacement collimating knobs for all LX SCT's



Coll-U-Mates can be fitted in less than 2 minutes – just follow the simple instructions and your scope will be so easy to collimate you'll never look back! Full instructions are included. NB: Please specify aperture when ordering.

To fit Model	Description	Stock Code
ALL 8" LX scopes	Coll-U-Mate Knobs	AC276
ALL 10" LX scopes	Coll-U-Mate Knobs	AC277
ALL 12" LX scopes	Coll-U-Mate Knobs	AC278

Battery Power Supplies

Portable Astro Power Station 12VDC 4Ah

The Portable Astro Power Station is based around a heavy-duty 4Ah lead acid gel battery. The unit has independently fused high- and low-amp circuits for total protection. The Astro Power Station features



1. Twin 12V 12amp cigar lighter sockets - 2. A built-in red night light - 3. Three additional output terminals offering 3V, 6V and 9V - 4. A standard ETX/LX telescope connecting cable with 2.5mm right

- angle plug - 5. LED battery condition and charge indicators - 6. All power outputs controlled from single switch - 7. In-car recharging cable - 8. AC mains recharging transformer (220-240V for UK use only available at this time).

To fit Model	Description	Stock Code
All Meade DS, ETX and LX models, and most 12V DC scopes	12V DC 4Ah Portable Astro Power Station	AC338
9V Scopes	PP3 type connector cable	AC339

Heavy Duty Portable Power Station 12V 18Ah Battery

The HD Portable Power Station has twin cigar lighter sockets and LEDs to indicate battery charge level. This unit will run an LX200 all night long with a compliment of anti-dew heaters running at the same time. Even includes built-in jump leads to start your car with it's 400amp cold cranking power! Complete with in-car recharging cable and AC mains recharging transformer (220-240V for UK use only available at this time).



A 1.2m long (2m extended) coiled LX telescope connection cable is available separately if required.

To fit Model	Description	Stock Code
All 12V systems	18Ah HD Power Station	AC360
All LX scopes	1.2m Connection Cable	AC367

Tilttable Piggy-Back Brackets

For tracked astro-photography with all LX telescopes

The Tilttable Piggy-Back Bracket allows the supported camera to be pointed at any angle regardless of the pointing attitude of the telescope. For use with all LX series telescopes including the 14" and 16" LX200/GPS. We recommend that some form of counterbalance aid be employed with this product.



To fit Model	Description	Stock Code
ALL 8" LX scopes	Tilttable Piggy-Back Bracket	PH026
ALL 10" LX scopes	Tilttable Piggy-Back Bracket	PH024
ALL 12" LX scopes	Tilttable Piggy-Back Bracket	PH025

Basic Counterbalance System

For use with all LX telescopes

The Basic Counterbalance System provides a simple means of balancing cameras and other accessories fitted to all Meade LX telescopes. Easily attached the system, comes with two weights (3lb - 1.35kg total) and is supplied with fitting tool and instructions. Additional weights are available.



To fit Model	Description	Stock Code
ALL 8" LX scopes	Basic Counterbalance System	AC034
ALL 10" LX scopes	Basic Counterbalance System	AC119
12" LX scopes	Basic Counterbalance System	AC122
ALL ABOVE	Additional Weights Set	AC113